Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 13 Mar 2021 until 23:59 on Sunday 14 Mar 2021

Forecast Issued on Friday 12 Mar 2021 at 14:16

Confidence: High for the main themes with cold, showery conditions this weekend replaced by more settled, drier weather next week. Some uncertainty in extent of rain and hill snow on Sunday and cloud amounts next week.

Headline for Saturday 13 Mar 2021: Cold and windy with sleet or snow showers.

Mountain weather hazards on Saturday 13 Mar 2021

Blizzards Low Likelihood	**Heavy Snow** Low Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy snow	Heavy snow	Heavy snow	Heavy snow showers	Heavy snow showers	Heavy snow showers	Heavy snow showers	Light snow showers
Precipitation probability							
80%	80%	80%	60%	60%	60%	40%	40%

Forecast for Saturday 13 Mar 2021

Weather: Long periods of heavy rain and hill snow overnight with blizzards on the tops. A mixture of bright intervals and frequent snow showers through the day, mainly falling as rain or sleet in the valleys. Some showers will be heavy with hail and possibly thunder. Showers becoming less frequent through the evening.

Chance of cloud free mountain/hill tops above 600m: 10% overnight then 40-60% during the day.

Visibility: Very poor at height overnight. Frequent cloud above 600 or 700m, occasionally down to lower slopes in showers. Excellent between showers, especially in the east. Visibility quickly changing as showers pass through but you will see these approaching from the west during the day.

Forecast for Saturday 13 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/26 S	24/34 W	23/32 W	27/37 W	26/38 W	25/38 W	23/34 W	19/29 W	16/26 W
300	11/23 S	15/32 W	14/29 W	19/37 W	18/36 W	17/36 W	15/32 W	13/28 W	11/27 NW
Valley	10/23 S	12/30 W	11/25 W	16/33 W	16/33 W	16/34 W	14/30 W	9/23 W	8/22 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	1/-5	-0/-8	-1/-8	-1/-8	-0/-8	0/-7	0/-7	0/-6	0/-6
300	2/-2	1/-5	1/-4	2/-4	3/-3	3/-3	2/-3	3/-2	2/-3
Valley	4/1	2/-2	3/-1	3/-2	4/-0	5/0	4/-0	4/1	3/-0
Freezing Level*	600m	400m	500m	500m	500m	500m	600m	700m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling bitterly cold at height with a severe wind chill. Sudden gusts up to 50mph on the tops as heavy showers move through.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 12 Mar 2021	11.4mm	37.8mm	59.4mm

Forecast for Sunday 14 Mar 2021

Weather: Bright or clear intervals and a few showers overnight and during the morning, falling as snow above 500m. Longer spells of rain and sleet, with snow above 600 or 700m, during the afternoon. Becoming dry with clear spells in the evening.

Maximum wind: West or Northwest 20mph gusts 30mph, perhaps 40mph early morning.

Chance of cloud free mountain/hill tops above 600m: 70% in morning, becoming 10% in afternoon then 70% in evening.

Visibility: Occasional cloud above 600m, otherwise mainly good in the morning. More extensive cloud in the afternoon with bases 400-600m. Becoming good in the evening as cloud clears.

Temperature: **Valleys:** Plus 5 rising to 7C.
At 600m: Around plus 1C.
Freezing level: 700-900m.